Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/10/2017 09:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124848	-1	2.03	124706	2.03
Blue	F	SSC	125000	123684	-2	3.28	124051	3.05
Blue	E	FITC	23615	22780	-4	3.03	1010	10.74
Blue	D	PE	26739	26267	-2	2.77	944	10.25
Blue	B	PerCP-Cy5-5	48339	47685	-2	3.88	1367	17.47
Blue	A	PE-Cy7	45021	45418	0	5.55	699	36.99
Red	C	APC	53064	51307	-4	2.86	2970	9.81
Red	A	APC-Cy7	57175	56101	-2	2.79	1162	11.58
Violet	B	V450	14728	14248	-4	5.76	684	9.76
Violet	A	V500	58621	57950	-2	5.7	2569	7.5

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19196	2.77	611	-3	N/A	N/A	Pass
Blue	F	SSC	60580	2.47	548	2	N/A	N/A	Pass
Blue	E	FITC	115	39.2	549	1	0.0193	134	Pass
Blue	D	PE	206	30.61	539	3	0.157	281	Pass
Blue	B	PerCP-Cy5-5	213	46.33	638	3	0.0095	92	Pass
Blue	A	PE-Cy7	75	124.85	698	5	0.011	16	Pass
Red	C	APC	343	29.15	601	4	0.0187	80	Pass
Red	A	APC-Cy7	126	42.17	586	6	0.0051	1626	Pass
Violet	B	V450	83	43.24	470	0	0.0521	2391	Pass
Violet	A	V500	187	23.34	498	1	0.0168	878	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.86	-31.33	0.87
Blue	20.36	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	16.70	13.27 - 19.91	N/A	N/A	31.27	31.73	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9668

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments